ORRES. CONTROL
OUTGOING LTR NO:

3RF5488

DIST.	LTR	ENC
N TI. R.L.	X	X
N. N. A.		
RMAN. H.S.	X	X
ANCH. D.B.		
RNIVAL. G.J.		
IPP. R.D.	X	X
VIS. J.G.	X	X
RRERA. D.W.	X	X
NNI. B.J.		
RMAN. L. K.		
ALY. T.J.	X	X
DAHL. T.	X	X
BIG. J.G.		
RBY. W.A.	X	X
IESTER. A.W.	X	X
E. E.M.		
NN. H.P.	X	X
RX. G.E.	X	X
DONALD. M.M.		
KENNA. F.G.	X	X
NTROSE. J.K.		
RGAN. R.V.		
TTER. G.L.		
ZZUTO. V.M.		
LEY. J.H.	X	X
NDLIN. N.B.		
EPLER. R.L.		
EWART. D.L.		
LLIVAN. M.T.		
ANSON. E.R.		
ILKINSON. R.B.	X	X
ILLIAMS. S. (ORC)		
ILSON. J. M.	X	X
~~NE. J. O.~~		
REUERDT, RJ	X	X
B[illegible] H	X	X
D[illegible] WA	X	X
[illegible] GW	X	X
Williams RE	X	X
Wenson PW	X	X
Francis GE	X	X
ORRES CONTROL	X	X
DMIN RECORD		
RAFFIC		

CLASSIFICATION:

UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER SIGNATURE

DATE 5-3-93

IN REPLY TO RFP CC NO:

ACTION ITEM STATUS
☐ EN ☐ CLOSED
☐ PARTIAL
LTR APPROVALS:

ORIG & TYPIST INITIALS
RDC/csk

RF-46469 (Rev. 3/93)

EG&G ROCKY FLATS

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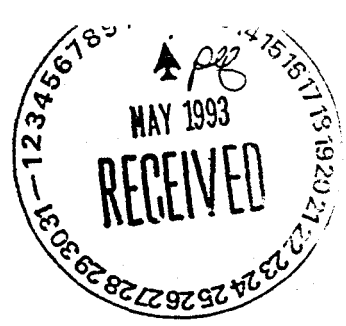
EG&G ROCKY FLATS, INC.
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000



May 5, 1993

93-RF-5488

Vern F. Witherill
Assistant Manager for
Technical Support
DOE, RFO

ROCKY FLATS PLANT FACILITY/EQUIPMENT DECONTAMINATION CRITERIA
- RDC-090-93

EG&G Rocky Flats, Inc. is about to initiate decontamination activities on facilities and equipment associated with the Rocky Flat's transition efforts and must establish the requirements that will be used to determine completion criteria for these decontamination efforts. The radioactive contamination control criteria that EG&G proposes to use is shown in the attachment and is identical to that established by the U. S. Nuclear Regulatory Commission in Table 1 of Regulatory Guide 1.86 for uncontrolled occupancy by the general public.

The decontamination criteria will be applied to only exposed surfaces within the facilities or on the equipment as follows:

- No efforts will be expended to pull wires or in any other way substantially tear apart the facilities or their utility systems in an attempt to decontaminate normally unexposed surfaces.
- Installed equipment will be decontaminated on the normally exposed surfaces.
- Surface decontamination may include physical removal of outer structural surfaces as long as the structural integrity of the wall, floors, or components is maintained.

It is anticipated that routine radiological surveys will continue after the decontamination criteria has been achieved. It is also anticipated; however, that the facility safety and security active systems could be eliminated after the completion criteria is achieved. This situation will minimize the facilities operating costs which is the interim objective of the decontamination effort currently planned. Further decontamination efforts may be required in the future if the ultimate use of any facility requires unrestricted, unmonitored access by those not associated with the Department of Energy and it's program.

U NN

REVIEWED FOR CLASSIFICATION/UCNI
BY G. T. Ostdiek
DATE 5-11-93

ADMIN RECORD

A-SW-000784

Your concurrence with the above proposal is requested as soon as possible so that work packages for the decontamination efforts can be finalized and the decontamination efforts can begin. Questions pertaining to the material contained herein should be addressed to my office.

Robert D. Copp

R. D. Copp
Associate General Manager
Transition Management
EG&G Rocky Flats, Inc.

csk

Orig. and 1 cc - V. F. Witherill

Attachment:
As Stated

cc:
R. L. Craun
S. J. Olinger

00005415

TABLE I

ACCEPTABLE SURFACE CONTAMINATION LEVELS

NUCLIDE[a]	AVERAGE[b c]	MAXIMUM[b d]	REMOVABLE[b e]
U-nat, U-235, U-238, and associated decay products	5,000 dpm α/100 cm^2	15,000 dpm α/100 cm^2	1,000 dpm α/100 cm^2
Transuranics, Ra-226, Ra-228, Th-230, Th-228, Pa-231, Ac-227, I-125, I-129	100 dpm/100 cm^2	300 dpm/100 cm^2	20 dpm/100 cm^2
Th-nat, Th-232, Sr-90, Ra-223, Ra-224, U-232, I-126, I-131, I-133	1000 dpm/100 cm^2	3000 dpm/100 cm^2	200 dpm/100 cm^2
Beta-gamma emitters (nuclides with decay modes other than alpha emission or spontaneous fission) except Sr-90 and others noted above.	5000 dpm β-γ/100 cm^2	15,000 dpm β-γ/100 cm^2	1000 dpm β-γ/100 cm^2

[a]Where surface contamination by both alpha- and beta-gamma-emitting nuclides exists, the limits established for alpha- and beta-gamma-emitting nuclides should apply independently.

[b]As used in this table, dpm (disintegrations per minute) means the rate of emission by radioactive material as determined by correcting the counts per minute observed by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.

[c]Measurements of average contaminant should not be averaged over more than 1 square meter. For objects of less surface area, the average should be derived for each such object.

[d]The maximum contamination level applies to an area of not more than 100 cm^2.

[e]The amount of removable radioactive material per 100 cm^2 of surface area should be determined by wiping that area with dry filter or soft absorbent paper, applying moderate pressure, and assessing the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. When removable contamination on objects of less surface area is determined, the pertinent levels should be reduced proportionally and the entire surface should be wiped.

ADMIN RECORD